

REMARKS/ARGUMENTS

Reconsideration of this application is respectfully requested.

To obviate the drawings objections, the drawings have been amended and the specification has been amended such that reference numerals are now consistently used throughout the application.

Attention is directed to the attached copy of documents cited in a counterpart GB application, a Form PTO-1449 is also attached together with the IDS fee for this stage of prosecution. Official consideration is requested.

In response to the various objections to the specification, a more legible substitute specification is attached having full stop/periods at the end of each complete sentence and paragraph and the like. The substitute specification is identical in content to the originally filed specification (albeit with slightly different margins).

The original specification has also been amended above so as to cure the other typographical errors noted by the Examiner.

With respect to the acronym “HCI” (Host Controller Interface), the Examiner is referred to page 4, line 18 of the original specification where the full name is mentioned in association with the first introduction of this acronym.

The typographical error noted in the claims at page 12, line 12 has also been corrected by the above amendment.

Accordingly, all outstanding formal issues are now believed to have been resolved in the applicant's favor.

The rejection of claims 1, 2, 5 and 6 under 35 U.S.C. §103 as allegedly being made "obvious" based on Reed '549 in view of Moberg '084 is respectfully traversed.

The claims have been amended to more distinctly point out the claimed invention. In particular the claims relate to a system in which spread spectrum signals are received at a dumb node not capable of proper communication with a local area network and an intelligent node which is capable of exchanging addressed data packets with the network, there being a physical link between these two nodes. The output from the dumb receiver is customarily in HCI format and in the past it has not been feasible to provide any substantial physical separation between the receiver and a packet processing section because the HCI signals are very susceptible to errors arising from phase or frequency distortion. This problem is solved by a temporary encapsulation of the HCI signals in Ethernet frames for the purpose of conveyance over a physical link between the dumb node and the intelligent node and the de-encapsulation of such frames at the end of the link by the intelligent node before the serial data is re-encapsulated.

Neither Reed nor Moberg (nor a combination thereof) deals with the context of a physical link between a dumb node and an intelligent node. Reed simply shows a spread spectrum receiver in which the radio module is part of a single intelligent node. Neither shows a dumb node separated from a network node by a substantial physical link or the temporary encapsulation of the serial data extracted from the received spread-spectrum signal merely for the purpose of conveyance over that link and its de-encapsulation before it is subject to protocol

processing. Moberg simply shows a system of the customary encapsulation of packets within a router. There is no justification other than hindsight for combining two documents neither of which is directed to the problem solved by the applicants.

The rejection of claims 3, 4, 7 and 8 under 35 U.S.C. §103 as allegedly being made “obvious” based on Reed/Moberg in further view of Bordonaro ‘775 is also respectfully traversed.

The fundamental deficiencies of the primary and secondary references already have been noted above with respect to parent claims. Accordingly, it is not believed necessary at this time to explain the further deficiencies of this ground of rejection.

The Examiner’s attention is also drawn to new claims 9 and 10. Claim 9 is dependent from claim 6. New method claim 10 requires encapsulating serial HCI data frames into Ethernet frames, conveying same over a physical link, subsequently de-encapsulating such Ethernet data frames to provide recovered serial HCI data frames, etc.

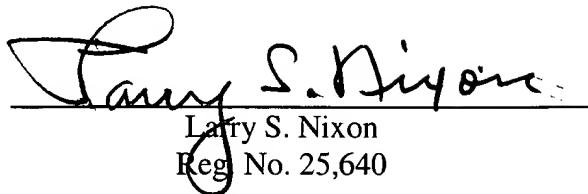
Accordingly, this entire application is now believed to be in allowable condition and a formal Notice to that effect is respectfully solicited.

HARRISON et al.
Appl. No. 09/909,759
May 25, 2005

Respectfully submitted,

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AMENDMENTS TO THE DRAWINGS

Proposed changes to sheets 1/6 and 5/6 are shown in red on attached photocopies.

Replacement sheets incorporating such changes are also attached.

Attachment: Replacement Sheet(s)
Annotated Sheet Showing Changes

PROPOSED DRAWING AMENDMENTS
FOR SN 09/909,759

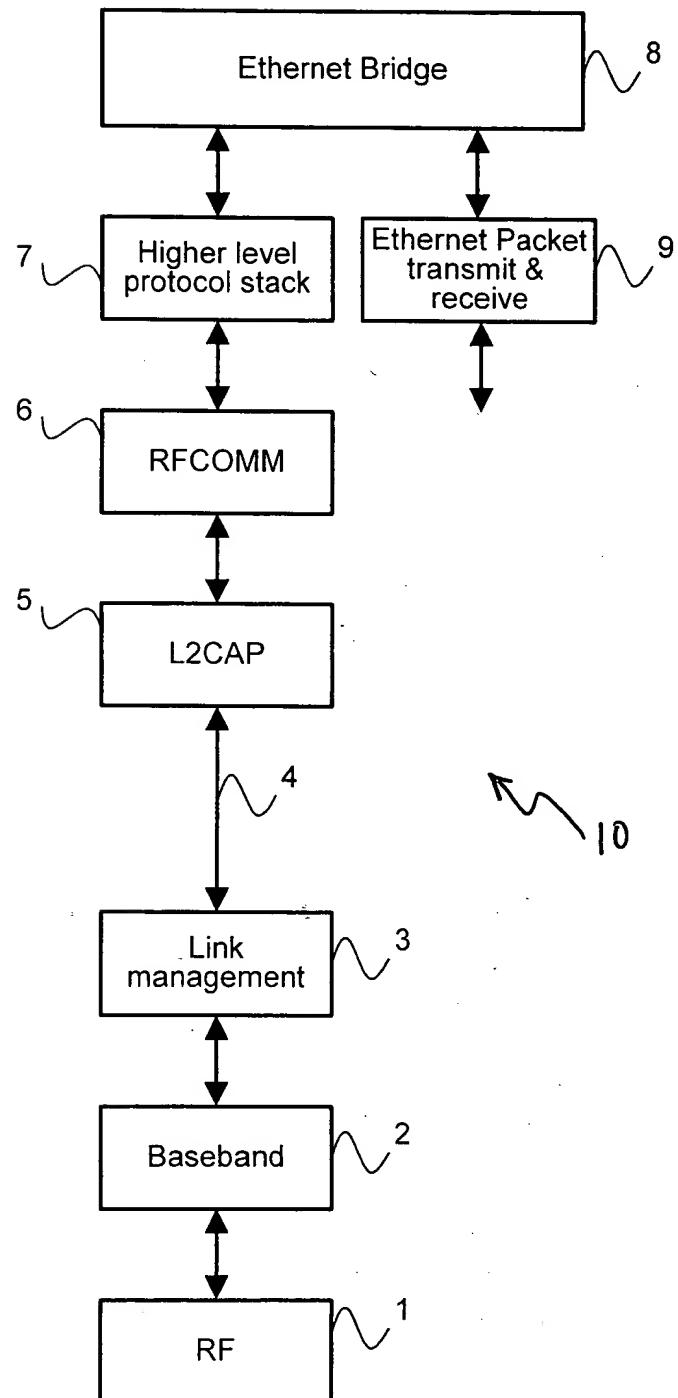


FIG. 1

PROPOSED DRAWING AMENDMENTS

FOR SN 09/909,759

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SFD	DA	SA	Rest of header	T A G	HCI # 1	PAD		CRC	EOF	ETHERNET FRAME
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SFD	DA	SA	Rest of header	T A G	HCI # 1 A G	T	HCI # 2 A G	PAD	CRC	EOF	ETHERNET FRAME
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FIG. 5